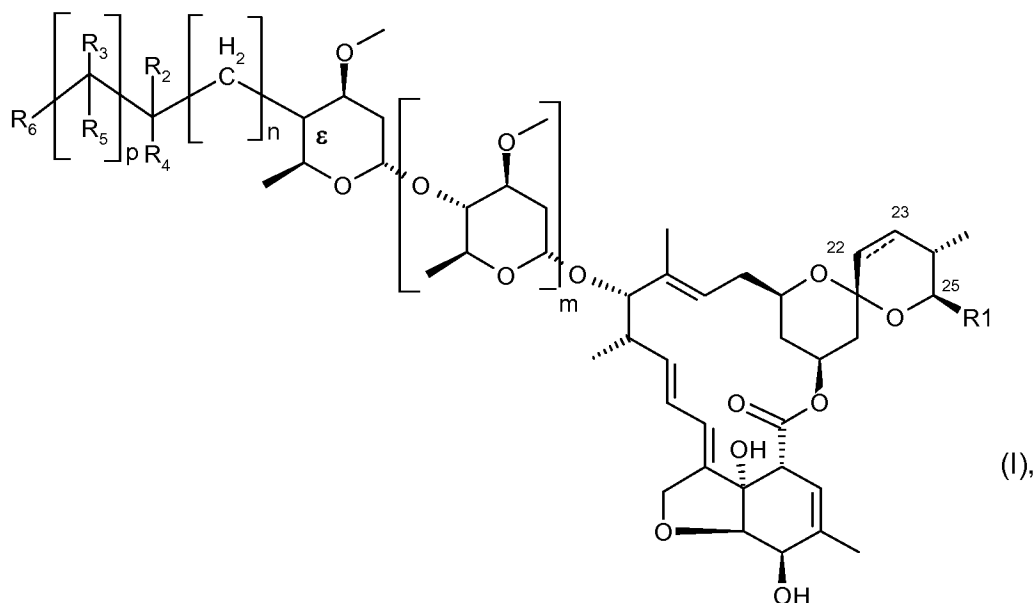


IN THE CLAIMS

1. (Original): A compound of the formula



wherein the bond of atoms C₂₂ and C₂₃ is a single or double bond;

m is 0 or 1;

n is 0, 1 or 2;

p is 0 or 1;

R₁ is C₁-C₁₂-alkyl, C₃-C₈-cycloalkyl or C₂-C₁₂-alkenyl;

R₂ is H, C₁-C₁₂-alkyl, C₁-C₁₂-haloalkyl, C₁-C₁₂-hydroxyalkyl, OH, halogen, -N₃, SCN, NO₂, CN, C₃-C₈cycloalkyl unsubstituted or substituted by from one to three methyl groups, C₃-C₈halo-cycloalkyl, C₁-C₁₂alkoxy, C₁-C₆alkoxy-C₁-C₆alkyl, C₁-C₆alkoxy-C₁-C₆alkoxy, C₁-C₆alkoxy--C₁-C₆alkoxy-C₁-C₆alkyl, C₂-C₁₂alkenyl, C₂-C₁₂haloalkenyl, C₂-C₁₂haloalkenyloxy, C₂-C₁₂alkynyl, C₂-C₁₂haloalkynyl, C₃-C₁₂alkynyloxy, C₃-C₁₂haloalkynyloxy, -P(=O)(OC₁-C₆alkyl)₂, -Si(C₁-C₆alkyl)₃, -(CH₂)-Si(C₁-C₆alkyl)₃, -Si(OC₁-C₆alkyl)₃, -N(R₉)₂, -(CH₂)-N(R₉)₂, wherein the two substituents R₉ are independent of each other, -C(=X)-R₇, -(CH₂)-C(=X)-R₇, -O-C(=X)-R₇, -(CH₂)-O-C(=X)-R₇, -S-C(=X)-R₇, -(CH₂)-S-C(=X)-R₇, -NR₉C(=X)R₇, -(CH₂)-NR₉C(=X)R₇, -NR₉NHC(=X)-R₇, -NR₉-OR₁₀, -(CH₂)-NR₉-OR₁₀, -SR₉, -S(=O)R₁₁, -S(=O)₂R₁₁, aryl, heterocyclyl, aryloxy or heterocyclyloxy; wherein the aryl, heterocyclyl, aryloxy and heterocyclyloxy radicals are unsubstituted or, depending upon the possibilities of substitution at the ring, mono- to penta-substituted by substituents selected from the group consisting of OH, halogen, CN, NO₂, SCN, -N₃, C₁-C₁₂alkyl, C₃-C₈cycloalkyl, C₁-C₁₂haloalkyl, C₁-C₁₂alkoxy, C₁-C₁₂haloalkoxy, C₁-C₁₂alkylthio, C₁-C₁₂haloalkylthio, C₁-C₆alkoxy-C₁-C₆alkyl, C₂-C₈alkenyl, C₂-C₈alkynyl,

C₂-C₁₂haloalkenyl, C₂-C₁₂haloalkenyloxy, C₂-C₁₂haloalkynyl, C₃-C₁₂alkynyloxy, C₃-C₁₂haloalkynyloxy and phenoxy;

or, when p is 1, R₂ together with R₃ is a bond;

or R₂ together with R₄ is =O or =S;

or R₂ together with R₄ form with the carbon to which they are bound a three- to seven-membered ring, which may be monocyclic or bicyclic, and may be saturated or unsaturated, and that may contain one or two hetero atoms selected from the group consisting of N, O and S, and which is either unsubstituted or independently of one another mono- to pentasubstituted with substituents selected from OH, =O, SH, =S, halogen, CN, -N₃, SCN, NO₂, aryl, C₁-C₁₂alkyl, C₃-C₈cycloalkyl, C₁-C₁₂haloalkyl, C₁-C₁₂alkoxy, C₁-C₁₂haloalkoxy, C₁-C₁₂alkylthio, C₁-C₁₂haloalkylthio, C₁-C₆alkoxy-C₁-C₆alkyl, C₂-C₈alkenyl, C₂-C₈alkynyl, C₂-C₁₂haloalkenyl, C₂-C₁₂haloalkenyloxy, C₂-C₁₂haloalkynyl, C₃-C₁₂alkynyloxy, C₃-C₁₂haloalkynyloxy, phenoxy, phenyl-C₁-C₆alkyl, -N(R₉)₂ wherein the two R₉ are independent of each other, C₁-C₆alkylsulfinyl, C₃-C₈cycloalkylsulfinyl, C₁-C₆haloalkylsulfinyl, C₃-C₈halocycloalkylsulfinyl, C₁-C₆alkylsulfonyl, C₃-C₈cycloalkylsulfonyl, C₁-C₆haloalkylsulfonyl and C₃-C₈halocycloalkylsulfonyl; or

R₂ together with R₄ is =NN(R₁₂)₂, wherein the two substituents R₉ are independent of each other;

or, when p is 0, R₂ together with R₄ and R₆ is ≡N;

or when p is 0, R₂ together with R₆ is =NOR₁₂ or =NN(R₁₂)₂, wherein the two substituents R₉ are independent of each other;

R₃ is H, C₁-C₁₂-alkyl, halogen, halo-C₁-C₂alkyl, CN, -N₃, SCN, NO₂, C₃-C₈cycloalkyl unsubstituted or substituted by from one to three methyl groups, C₃-C₈halocycloalkyl, C₁-C₁₂alkoxy, C₁-C₆alkoxy-C₁-C₆alkyl, C₁-C₆alkoxy-C₁-C₆alkoxy-C₁-C₆alkyl, C₃-C₈cycloalkoxy, C₁-C₁₂haloalkoxy, C₁-C₁₂alkylthio, C₃-C₈cycloalkylthio, C₁-C₁₂haloalkylthio, C₁-C₁₂alkylsulfinyl, C₃-C₈cycloalkylsulfinyl, C₁-C₁₂haloalkylsulfinyl, C₃-C₈halocycloalkylsulfinyl, C₁-C₁₂alkylsulfonyl, C₃-C₈cycloalkylsulfonyl, C₁-C₁₂haloalkylsulfonyl, C₃-C₈halocycloalkylsulfonyl, C₂-C₈alkenyl, C₂-C₈alkynyl, C₂-C₁₂haloalkenyl, C₂-C₁₂haloalkenyloxy, C₂-C₁₂haloalkynyl, C₃-C₁₂haloalkynyloxy, -N(R₉)₂, wherein the two substituents R₉ are independent of each other, aryl, heterocyclyl, aryloxy or heterocyclyloxy; wherein the aryl, heterocyclyl, aryloxy and heterocyclyloxy radicals are unsubstituted or, depending upon the possibilities of substitution at the ring, mono- to penta-substituted by substituents selected from the group consisting of halogen, CN, NO₂, C₁-C₁₂alkyl, C₃-C₈cycloalkyl, C₁-C₁₂haloalkyl, C₁-C₁₂alkoxy, C₁-C₁₂haloalkoxy, C₁-C₁₂alkylthio, C₁-C₁₂haloalkylthio, C₁-C₆alkoxy-C₁-C₆alkyl,

C₂-C₈alkenyl, C₂-C₈alkynyl, C₂-C₁₂haloalkenyl, C₂-C₁₂haloalkenyloxy, C₂-C₁₂haloalkynyl and C₃-C₁₂haloalkynyloxy;

or when p is 1, R_3 together with R_2 is a bond;

R₄ is H, C₁-C₁₂-alkyl, C₁-C₁₂-haloalkyl, C₁-C₁₂-hydroxyalkyl, OH, halogen, NO₂, CN, C₃-C₈cycloalkyl unsubstituted or substituted by from one to three methyl groups, C₃-C₈halo-cycloalkyl, C₁-C₁₂alkoxy, C₁-C₆alkoxy-C₁-C₆alkyl, C₁-C₆alkoxy-C₁-C₆alkoxy, C₁-C₆alkoxy--C₁-C₆alkoxy-C₁-C₆alkyl, C₂-C₁₂alkenyl, C₂-C₁₂haloalkenyl, C₂-C₁₂haloalkenyloxy, C₂-C₁₂alkynyl, C₂-C₁₂haloalkynyl, C₃-C₁₂haloalkynyloxy, -P(=O)(OC₁-C₆alkyl)₂, -Si(C₁-C₆alkyl)₃, -(CH₂)-Si(C₁-C₆alkyl)₃, -Si(OC₁-C₆alkyl)₃, -N(R₉)₂, -(CH₂)-N(R₉)₂, wherein the two substituents R₉ are independent of each other, -C(=X)-R₇, -(CH₂)-C(=X)-R₇, -O-C(=X)-R₇, -(CH₂)-O-C(=X)-R₇, -S-C(=X)-R₇, -(CH₂)-S-C(=X)-R₇, -NR₉C(=X)R₇, -(CH₂)-NR₉C(=X)R₇, -NR₉NHC(=X)-R₇, -NR₉-OR₁₀, -(CH₂)-NR₉-OR₁₀, -SR₉, -S(=O)R₁₁, -S(=O)₂R₁₁, aryl, heterocyclyl, aryloxy or heterocyclyloxy; wherein the aryl, heterocyclyl, aryloxy and heterocyclyloxy radicals are unsubstituted or, depending upon the possibilities of substitution at the ring, mono- to penta-substituted by substituents selected from the group consisting of OH, halogen, CN, NO₂, C₁-C₁₂alkyl, C₃-C₈cycloalkyl, C₁-C₁₂haloalkyl, C₁-C₁₂alkoxy, C₁-C₁₂haloalkoxy, C₁-C₁₂alkylthio, C₁-C₁₂haloalkylthio, C₁-C₆alkoxy-C₁-C₆alkyl, C₂-C₈alkenyl, C₂-C₈alkynyl, C₂-C₁₂haloalkenyl, C₂-C₁₂haloalkenyloxy, C₂-C₁₂haloalkynyl, C₃-C₁₂haloalkynyloxy and phenoxy;

or R_4 together with R_2 forms $=O$ or $=S$;

or when p is 1, R_4 together with R_5 is a bond;

or, when p is 0, together with R_2 and R_6 is $\equiv N$;

R₅ and R₆ independently of each other are H, C₁-C₁₂-alkyl, -N₃, CN, NO₂, OH, SH, halogen, halo-C₁-C₂alkyl, hydroxy-C₁-C₂alkyl, C₃-C₈cycloalkyl that is unsubstituted or substituted by from one to two methyl groups, C₃-C₈halocycloalkyl, C₁-C₁₂alkoxy, C₁-C₆alkoxy-C₁-C₆alkyl, C₁-C₆alkoxy-C₁-C₆alkoxy, C₁-C₆alkoxy-C₁-C₆alkoxy-C₁-C₆alkyl, C₃-C₈cycloalkoxy, C₁-C₁₂haloalkoxy, C₁-C₁₂haloalkylthio, C₂-C₈alkenyl, C₂-C₈alkynyl, C₂-C₁₂haloalkenyl, C₂-C₁₂haloalkenyloxy, C₂-C₁₂haloalkynyl, C₃-C₁₂haloalkynyloxy, -P(=O)(OC₁-C₆alkyl)₂, -CH₂-P(=O)(OC₁-C₆alkyl)₂, -Si(OC₁-C₆alkyl)₃, -N(R₉)₂, -O-N(R₉)₂, wherein the two substituents R₉ are independent of each other, -C(=X)-R₇, -CH=NOH, -CH=NOC₁-C₆alkyl, -O-C(=X)-R₇, -S-C(=X)-R₇, -NR₉C(=X)R₇, -NR₉NHC(=X)-R₇, -NR₉-OR₁₀, -SR₉, -S(=O)R₁₁, -S(=O)₂R₁₁, -CH₂-S(=O)₂R₁₁, aryl, aryloxy, benzyloxy, -NR₉-aryl, heterocyclyl, heterocyclyloxy, -NR₉-heterocyclyl, -CH₂-aryl, -CH₂-O-aryl, -CH₂-NR₉-aryl, -CH₂-NR₉-C₁-C₂alkyl, -CH₂-heterocyclyl, -CH₂-O-heterocyclyl.

ocyclyl and $-\text{CH}_2\text{-NR}_9\text{-heterocyclyl}$; wherein the aryl, aryloxy, benzyloxy, $-\text{NR}_9\text{-aryl}$, heterocyclyl, heterocyclyloxy and $-\text{NR}_9\text{-heterocyclyl}$ radicals are unsubstituted or, depending upon the possibilities of substitution at the ring, mono- to penta-substituted by substituents selected from the group consisting of OH, =O, SH, =S, halogen, CN, NO_2 , $\text{C}_1\text{-C}_{12}\text{alkyl}$, $\text{C}_3\text{-C}_8\text{cycloalkyl}$, $\text{C}_1\text{-C}_{12}\text{haloalkyl}$, $\text{C}_1\text{-C}_{12}\text{alkoxy}$, $\text{C}_1\text{-C}_{12}\text{haloalkoxy}$, $\text{C}_1\text{-C}_{12}\text{alkylthio}$, $\text{C}_1\text{-C}_{12}\text{haloalkylthio}$, $\text{C}_1\text{-C}_6\text{alkoxy-C}_1\text{-C}_6\text{alkyl}$, $\text{C}_2\text{-C}_8\text{alkenyl}$, $\text{C}_2\text{-C}_8\text{alkynyl}$, $\text{C}_2\text{-C}_{12}\text{haloalkenyl}$, $\text{C}_2\text{-C}_{12}\text{haloalkenyloxy}$, $\text{C}_2\text{-C}_{12}\text{haloalkynyl}$, $\text{C}_3\text{-C}_{12}\text{haloalkynyloxy}$, phenoxy, methylenedioxy, NH_2 , $\text{NH}(\text{C}_1\text{-C}_{12}\text{alkyl})$, $\text{N}(\text{C}_1\text{-C}_{12}\text{alkyl})_2$ and $\text{C}_1\text{-C}_6\text{alkylsulfinyl}$; or

R_5 and R_6 are, together with the carbon atom to which they are bound, a five- to seven-membered ring, which may be saturated or unsaturated, and which may contain one or two members selected from the group consisting of O, NR_8 and S; and which is optionally substituted with one to three substituents selected from $\text{C}_1\text{-C}_{12}\text{-alkyl}$, CN, NO_2 , OH, halogen, halo- $\text{C}_1\text{-C}_2\text{alkyl}$, $\text{C}_3\text{-C}_8\text{cycloalkyl}$, $\text{C}_3\text{-C}_8\text{halocycloalkyl}$, $\text{C}_1\text{-C}_{12}\text{alkoxy}$, $\text{C}_1\text{-C}_6\text{alkoxy-C}_1\text{-C}_6\text{alkyl}$, $\text{C}_1\text{-C}_6\text{alkoxy-C}_1\text{-C}_6\text{alkoxy-C}_1\text{-C}_6\text{alkyl}$, $\text{C}_3\text{-C}_8\text{cycloalkoxy}$, $\text{C}_1\text{-C}_{12}\text{haloalkoxy}$, $\text{C}_1\text{-C}_{12}\text{alkylthio}$, $\text{C}_3\text{-C}_8\text{cycloalkylthio}$, $\text{C}_1\text{-C}_{12}\text{haloalkylthio}$, $\text{C}_2\text{-C}_{12}\text{alkenyl}$, $\text{C}_2\text{-C}_{12}\text{haloalkenyl}$, $\text{C}_2\text{-C}_{12}\text{haloalkenyloxy}$, $\text{C}_2\text{-C}_{12}\text{alkynyl}$, $\text{C}_2\text{-C}_{12}\text{haloalkynyl}$ and $\text{C}_3\text{-C}_{12}\text{haloalkynyloxy}$;

or when p is 1, R_5 together with R_4 is a bond;

or, when p is 0, R_6 together with R_2 and R_4 is $\equiv\text{N}$;

R_7 is H, OH, $\text{C}_1\text{-C}_{12}\text{alkyl}$, $\text{C}_1\text{-C}_{12}\text{haloalkyl}$, $\text{C}_2\text{-C}_{12}\text{alkenyl}$, $\text{C}_2\text{-C}_{12}\text{alkynyl}$, $\text{C}_2\text{-C}_{12}\text{haloalkenyloxy}$, $\text{C}_2\text{-C}_{12}\text{haloalkynyl}$, $\text{C}_3\text{-C}_{12}\text{haloalkynyloxy}$, $\text{C}_1\text{-C}_{12}\text{alkoxy}$, $\text{C}_1\text{-C}_{12}\text{haloalkoxy}$, $\text{C}_1\text{-C}_6\text{-alkoxy-C}_1\text{-C}_6\text{alkyl}$, $\text{C}_1\text{-C}_6\text{alkoxy-C}_1\text{-C}_6\text{alkoxy}$, $\text{C}_2\text{-C}_8\text{alkenyloxy}$, $\text{C}_3\text{-C}_8\text{alkynyloxy}$, $-\text{N}(\text{R}_8)_2$ wherein the two R_8 are independent of each other, aryl, aryloxy, benzyloxy, heterocyclyl, heterocyclyloxy or heterocyclylmethoxy; and wherein the aryl, aryloxy, benzyloxy, heterocyclyl and heterocyclyloxy radicals are unsubstituted or, depending upon the possibilities of substitution at the ring, mono- to penta-substituted by substituents selected from the group consisting of halogen, CN, NO_2 , $\text{C}_1\text{-C}_{12}\text{alkyl}$, $\text{C}_3\text{-C}_8\text{cycloalkyl}$, $\text{C}_1\text{-C}_{12}\text{haloalkyl}$, $\text{C}_1\text{-C}_{12}\text{alkoxy}$, $\text{C}_1\text{-C}_{12}\text{haloalkoxy}$, $\text{C}_1\text{-C}_{12}\text{alkylthio}$, $\text{C}_1\text{-C}_{12}\text{haloalkylthio}$, $\text{C}_1\text{-C}_6\text{alkoxy-C}_1\text{-C}_6\text{alkyl}$, $\text{C}_2\text{-C}_8\text{alkenyl}$, $\text{C}_2\text{-C}_{12}\text{haloalkenyl}$, $\text{C}_2\text{-C}_{12}\text{haloalkenyloxy}$, $\text{C}_2\text{-C}_8\text{alkynyl}$, $\text{C}_2\text{-C}_{12}\text{haloalkynyl}$ and $\text{C}_3\text{-C}_{12}\text{haloalkynyloxy}$;

R_8 is H, $\text{C}_1\text{-C}_6\text{alkyl}$ that is optionally substituted with one to five substituents selected from the group consisting of halogen, $\text{C}_1\text{-C}_6\text{alkoxy}$, $\text{C}_1\text{-C}_6\text{alkoxy-C}_1\text{-C}_6\text{alkoxy}$, $\text{C}_2\text{-C}_{12}\text{alkenyl}$, $\text{C}_2\text{-C}_{12}\text{haloalkenyl}$, $\text{C}_2\text{-C}_{12}\text{haloalkenyloxy}$, $\text{C}_2\text{-C}_{12}\text{alkynyl}$, $\text{C}_2\text{-C}_{12}\text{haloalkynyl}$, $\text{C}_3\text{-C}_{12}\text{haloalkynyloxy}$, hydroxy and cyano, $\text{C}_3\text{-C}_8\text{-cycloalkyl}$, aryl, benzyl or heteroaryl; wherein the aryl, benzyl and heteroaryl radicals are unsubstituted or, depending on the possibilities of substitution on the ring, mono- to trisubstituted by substituents selected from the group consisting of OH, halogen, CN, NO_2 ,

C₁-C₁₂alkyl, C₁-C₁₂haloalkyl, C₁-C₁₂alkoxy, C₁-C₁₂haloalkoxy, C₁-C₁₂alkylthio, C₂-C₁₂alkenyl, C₂-C₁₂haloalkenyl, C₂-C₁₂haloalkenyloxy, C₂-C₁₂alkynyl, C₂-C₁₂haloalkynyl, C₃-C₁₂haloalkynyloxy and C₁-C₁₂haloalkylthio;

R₉ is H, C₁-C₆alkyl, C₁-C₆cycloalkyl, C₁-C₆alkoxy-C₁-C₆alkyl, C₁-C₆alkoxy-C₁-C₆alkoxy-C₁-C₆alkyl, C₂-C₁₂alkenyl, C₂-C₁₂alkynyl, benzyl, aryl or heteroaryl;

R₁₀ H, C₁-C₆alkyl that is optionally substituted with one to five substituents selected from the group consisting of halogen, C₁-C₆alkoxy, NO₂, hydroxy and cyano, C₁-C₁₂haloalkyl, C₂-C₁₂alkenyl, C₂-C₁₂haloalkynyl, C₂-C₁₂haloalkenyl, C₂-C₁₂alkynyl, C₃-C₈-cycloalkyl, aryl, benzyl or heteroaryl; wherein the aryl, benzyl and heteroaryl radicals are unsubstituted or, depending on the possibilities of substitution on the ring, mono- to trisubstituted by substituents selected from the group consisting of OH, halogen, CN, NO₂, C₁-C₁₂alkyl, C₁-C₁₂haloalkyl, C₁-C₁₂alkoxy, C₁-C₁₂haloalkoxy, C₁-C₁₂alkylthio, C₁-C₁₂haloalkylthio, C₂-C₁₂alkenyl, C₂-C₁₂haloalkenyl, C₂-C₁₂haloalkenyloxy, C₂-C₁₂alkynyl, C₃-C₁₂haloalkynyl and C₃-C₁₂haloalkynyloxy;

R₁₁ is H, C₁-C₆alkyl that is optionally substituted with one to five substituents selected from the group consisting of halogen, C₁-C₆alkoxy, hydroxy and cyano, -N(R₉)₂ wherein the two substituents R₉ are independent of each other, C₃-C₈cycloalkyl, C₃-C₈halocycloalkyl, C₂-C₁₂alkenyl, C₂-C₁₂haloalkenyl, C₂-C₁₂haloalkenyloxy, C₂-C₁₂alkynyl, C₃-C₁₂haloalkynyl, C₃-C₁₂haloalkynyloxy, aryl, benzyl or heteroaryl; wherein the aryl, benzyl and heteroaryl radicals are unsubstituted or, depending on the possibilities of substitution on the ring, mono- to trisubstituted by substituents selected from the group consisting of OH, halogen, CN, NO₂, C₁-C₁₂alkyl, C₁-C₁₂haloalkyl, C₁-C₁₂alkoxy, C₁-C₁₂haloalkoxy, C₁-C₁₂alkylthio, C₁-C₁₂haloalkylthio, C₂-C₁₂alkenyl, C₂-C₁₂haloalkenyl, C₂-C₁₂haloalkenyloxy, C₂-C₁₂alkynyl, C₂-C₁₂haloalkynyl and C₃-C₁₂haloalkynyloxy;

R₁₂ is H, C₁-C₆alkyl, C₁-C₆cycloalkyl, C₁-C₆alkoxy-C₁-C₆alkyl, C₁-C₆alkoxy-C₁-C₆alkoxy-C₁-C₆alkyl, C₂-C₁₂alkenyl, C₂-C₁₂alkynyl, -C(=O)C₁-C₆alkyl, -C(=O)OC₁-C₆alkyl, -SO₂C₁-C₆alkyl, benzyl, aryl, heteroaryl;

X is O or S;

or, if appropriate, an E/Z isomer, E/Z isomer mixture and/or tautomer thereof, in each case in free form or in salt form;

with the proviso, that the group R₆-[C(R₃)(R₅)]_p-C(R₂)(R₄)-[CH₂]_n-, which is attached to the ε-position of the compound of the formula (I), is not NC-CH₂- or HOOC-CH₂- when m is 1 and the bond between atoms 22 and 23 is a single bond.

2. (Previously Presented): A pesticide composition which contains at least one compound of the formula (I) as described in claim 1 as active compound and at least one auxiliary.

3. (Previously Presented): A method for controlling pests comprising applying a composition as described in claim 2 to the pests or their habitat.

4. (Previously Presented): A process for preparing a composition as described in claim 2 comprising intimately mixing and/or grinding the active compound with at least one auxiliary.

5. (Cancelled).

6. (Cancelled).

7. (Previously Presented): A method for protecting plant propagation material, wherein the propagation material or the location where the propagation material is planted is treated, comprising applying a composition as described in claim 2.

8. (Previously Presented): Plant propagation material treated with the composition described in claim 2.